



Ministry of the Environment

Science Based Policy Initiatives towards a Sound Material Cycle Society in Japan

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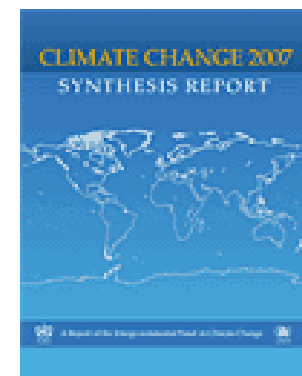
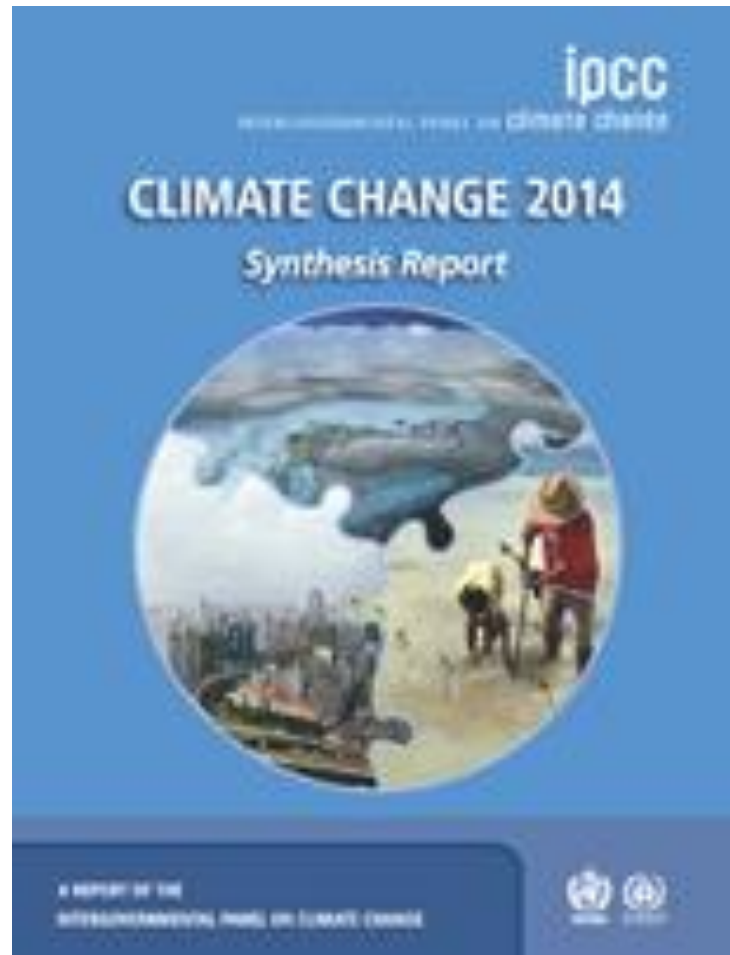
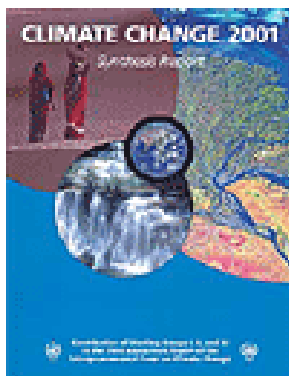
Office of Sound Material-Cycle Society

Ministry of the Environment, Japan



Ministry of the Environment

Example: IPCC





Example: International Resource Panel





Japan's case: Overview

- A lot of attempts so far
- Still, potential to improve
- Institutional arrangement
- Role sharing (e.g. Science vs Policy vs Public)



Japan's case 1: Central Environment Council

The Basic Environmental Law, Article 41

- Central Environment Council is established in the Ministry of the Environment.
- The Council may submit its opinions to the Minister of the Environment and other related Ministers



Japan's case 1: Central Environment Council

Basic Act on Establishing a Sound Material-Cycle Society,
Article 41

- Central Environmental Council submits its opinions to the Minister of the Environment on concrete guidance to develop the Fundamental Plan for Establishing a Sound Material-Cycle Society.



Submission of the 3rd Fundamental Plan from the president of the Council to the State Minister



Japan's case 2: Research and survey

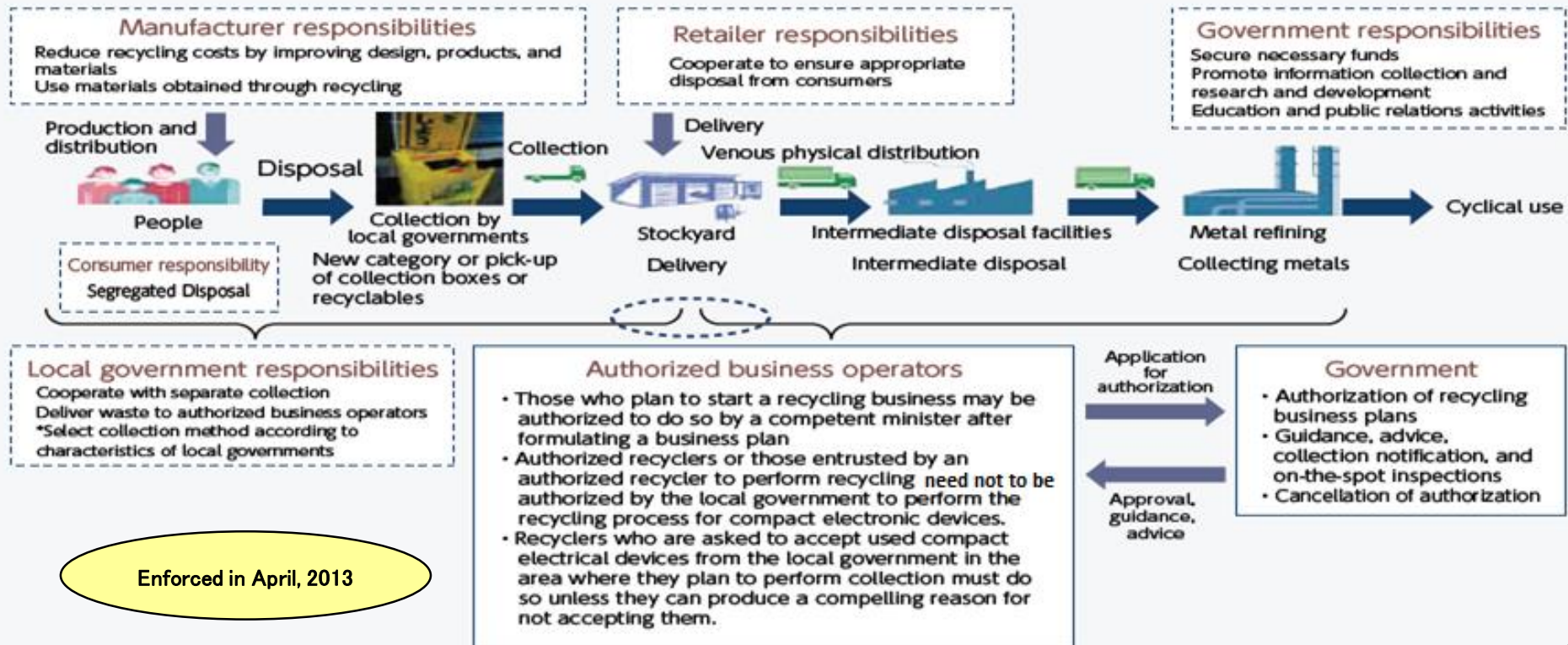
- Kinds of research and survey for policy development, implementation, and review





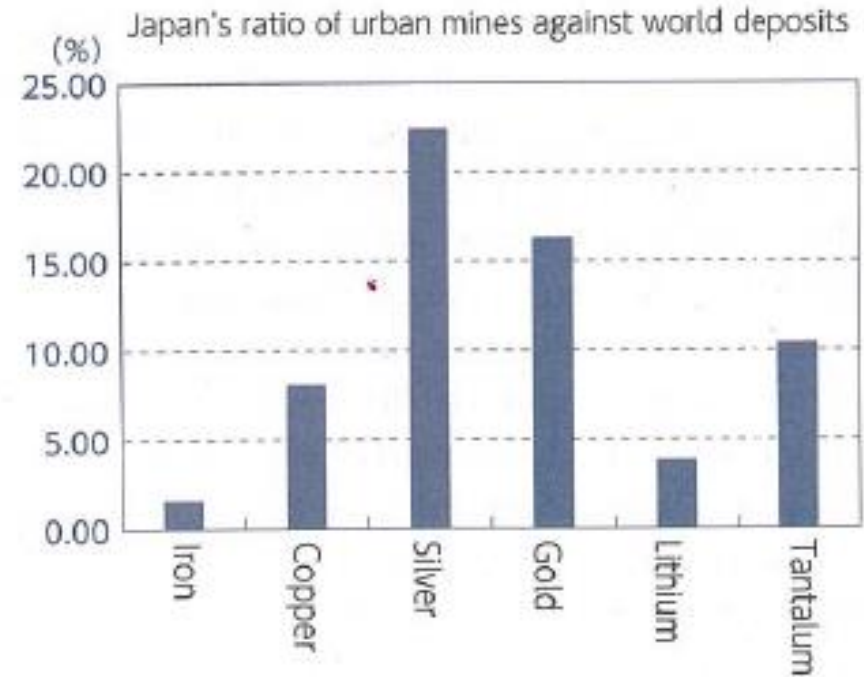
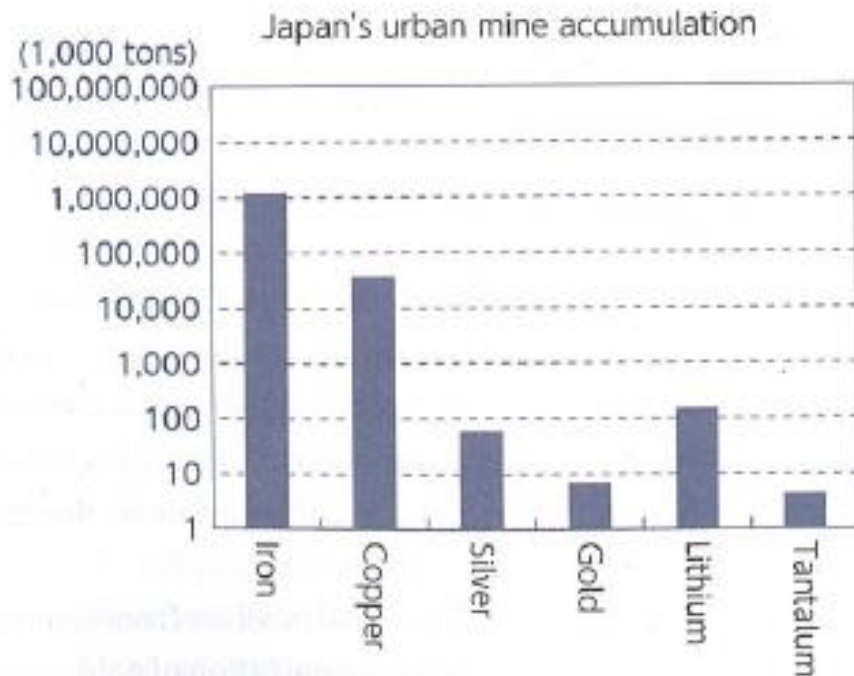
Japan's case 2: Research and survey

- Example: Small Home Appliance Recycling Law





Japan's case 2: Research and survey



Source: Press release reference by National Institute for Materials Science

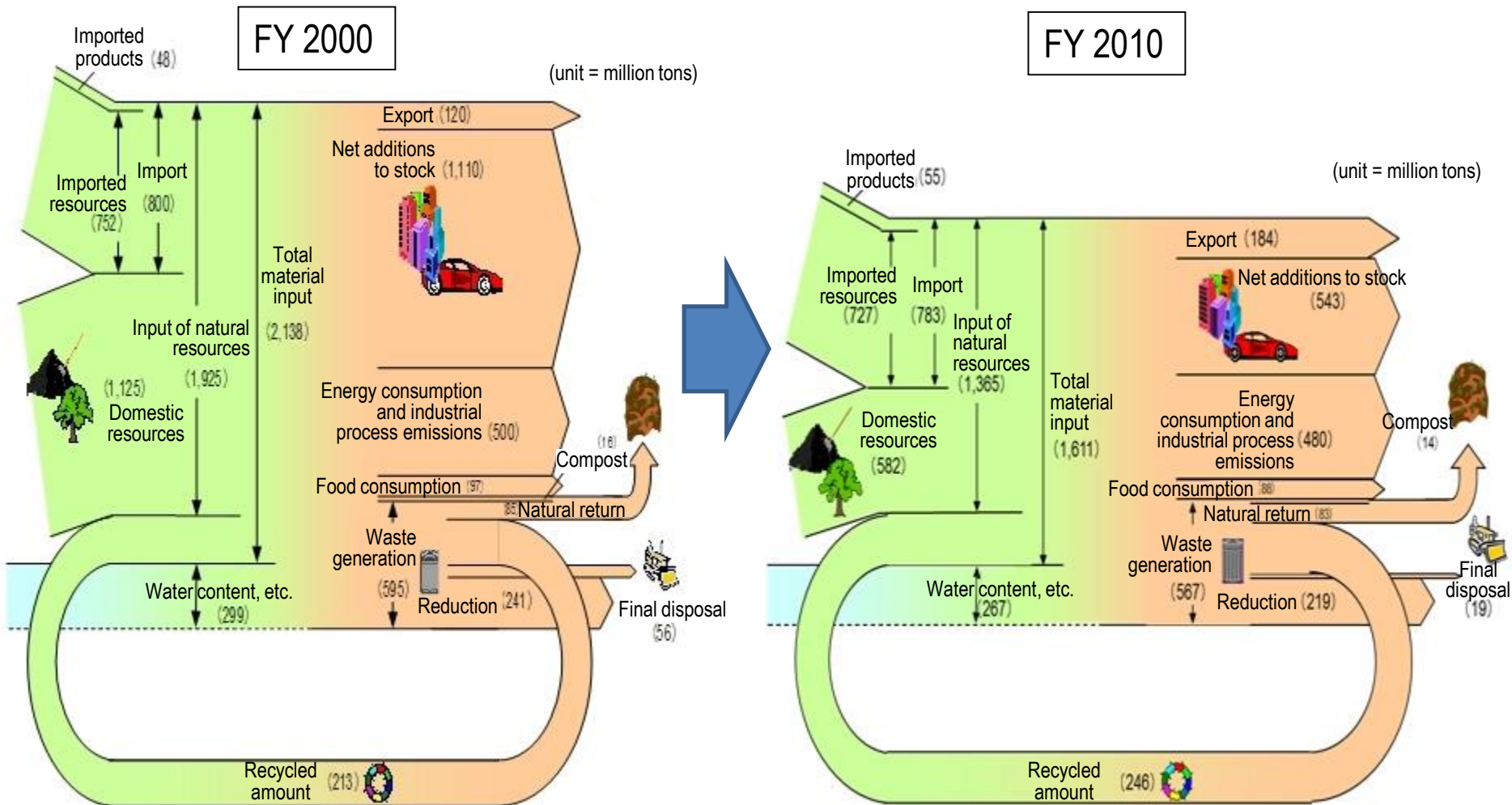


Japan's case 2: Research and survey

- The quantity of disposed small electronic appliances is 651,000 tons per year
- The useful metals contained within them are estimated at **279,000 tons** (equivalent to **84.4 billion yen**)



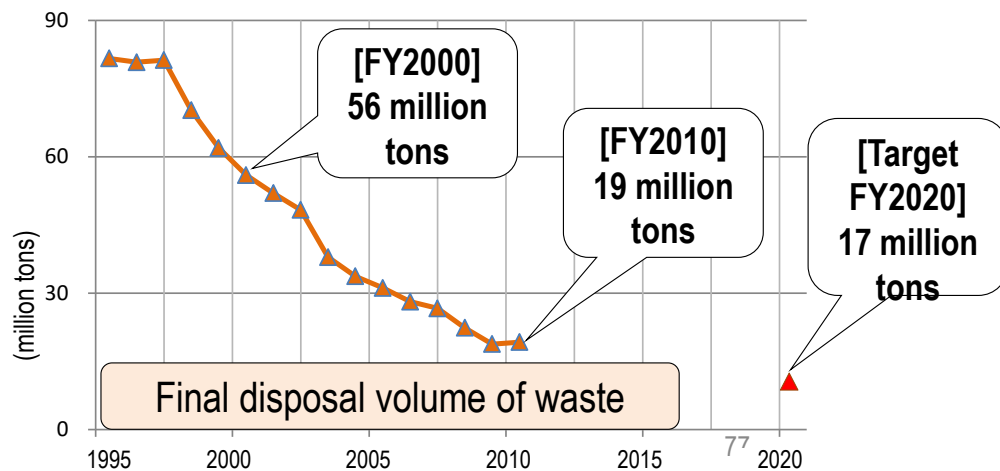
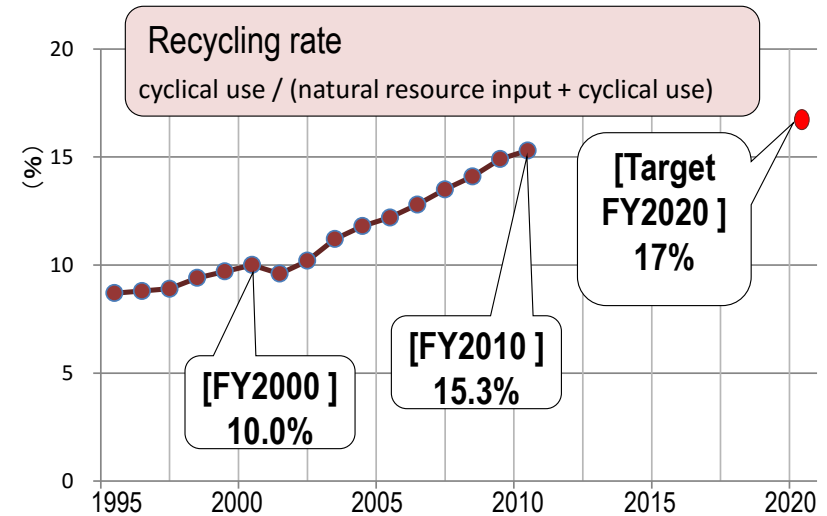
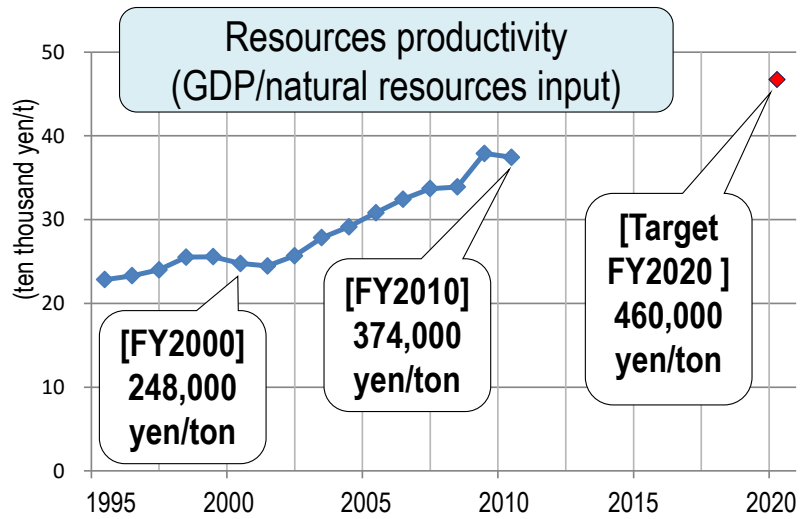
Japan's case 3: Material Flow Indicators



(Note) Water content: water contents of wastes (sludge, livestock's waste, night soil, waste acid, waste alkali) and sludge contingently dumped in the process of economic activities (sludge in mining, construction and in waterworks as well as slag)



Japan's case 3: Material Flow Indicators





Japan's case 3: Material Flow Indicators

- Survey for the indicators (statistics, complementary survey, experts consultation)
- Discussion, check, and review in the Central Environment Council
- Based on the council's consultation and public comments process, the Fundamental Plan for Establishing a Sound Material-Cycle Society is reformed.
- Policies are developed and implemented according to the Fundamental Plan.